



CONSULTING ENGINEERS & GEOLOGISTS, INC.

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Reference: 091148.100

November 2, 2005

Mr. Robert Stone
Humboldt County Division of Environmental Health
100 H St., Suite 100
Eureka, CA 95501

Subject: Case Closure Summary Report, Pierson Building Center, Eureka, California; Case No. 12105

Dear Mr. Stone:

Introduction

As requested during our meeting (October 13, 2005) with Kasey Ashley of the California Regional Water Quality Control Board, North Coast Region (RWQCB), and you, SHN Consulting Engineers & Geologists, Inc. (SHN) is presenting this case closure summary report on behalf of Pierson Building Center (PBC).

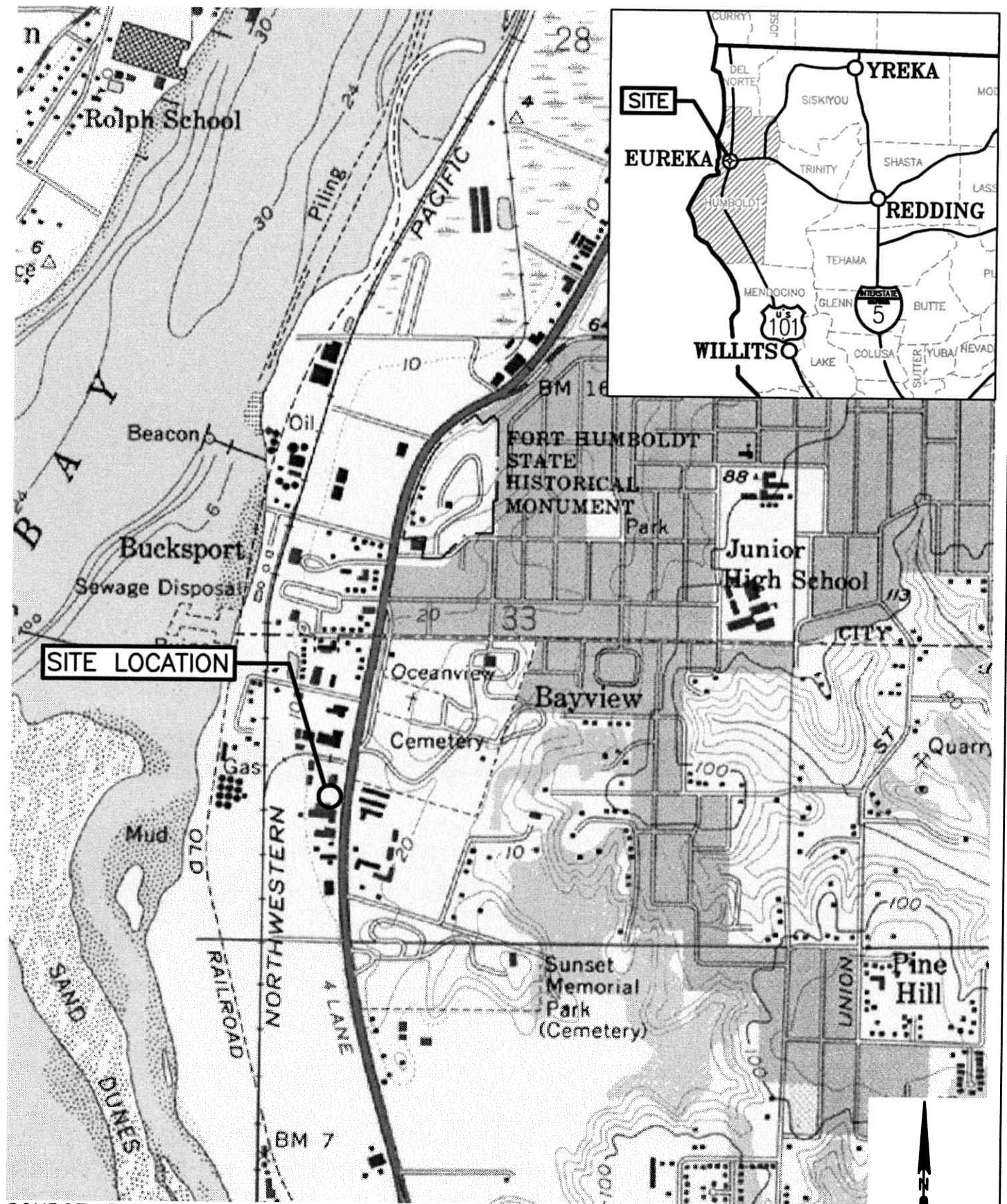
PBC has removed the contaminant source, which was a 550-gallon paint thinner Underground Storage Tank (UST). SHN has adequately characterized the extent of soil and groundwater contamination that was released from the UST and has implemented the approved Corrective Action Plan. No sensitive receptors have been or are likely to be affected by the release. Additionally, PBC's Waste Discharge Requirements (WDRs) have been rescinded by the RWQCB. Based upon the information presented during our meeting and within the last two quarterly groundwater monitoring reports, SHN is requesting case closure of this site.

This report summarizes the site history and site conditions for the PBC former paint thinner UST, and contains the information necessary to support case closure.

Site Summary

PBC is a retail hardware and lumber supply store that has operated at the current location since 1946 (Figure 1). In 1975, PBC installed a 550-gallon UST to store bulk paint thinner for retail sale. The paint thinner, product name "Mineral Spirits 75," was supplied by the UNOCAL Corporation. The permitted UST was used exclusively for paint thinner storage until 1987. A site plan is included as Figure 2. Historic data tables are included in Attachment 1.

An application for a permit to close the UST was submitted to the Humboldt County Division of Environmental Health (HCDEH) on April 29, 1987. Also, on the same application a 550-gasoline UST was permitted for closure. This gasoline UST (Tank #1) was located several hundred feet to the west, and is mentioned here only because there may have been some confusion regarding gasoline being delivered to PBC. As mentioned above, gasoline was never delivered to the paint thinner UST (Tank #2). A copy of the UST closure application and tank locations are included in Attachment 2.

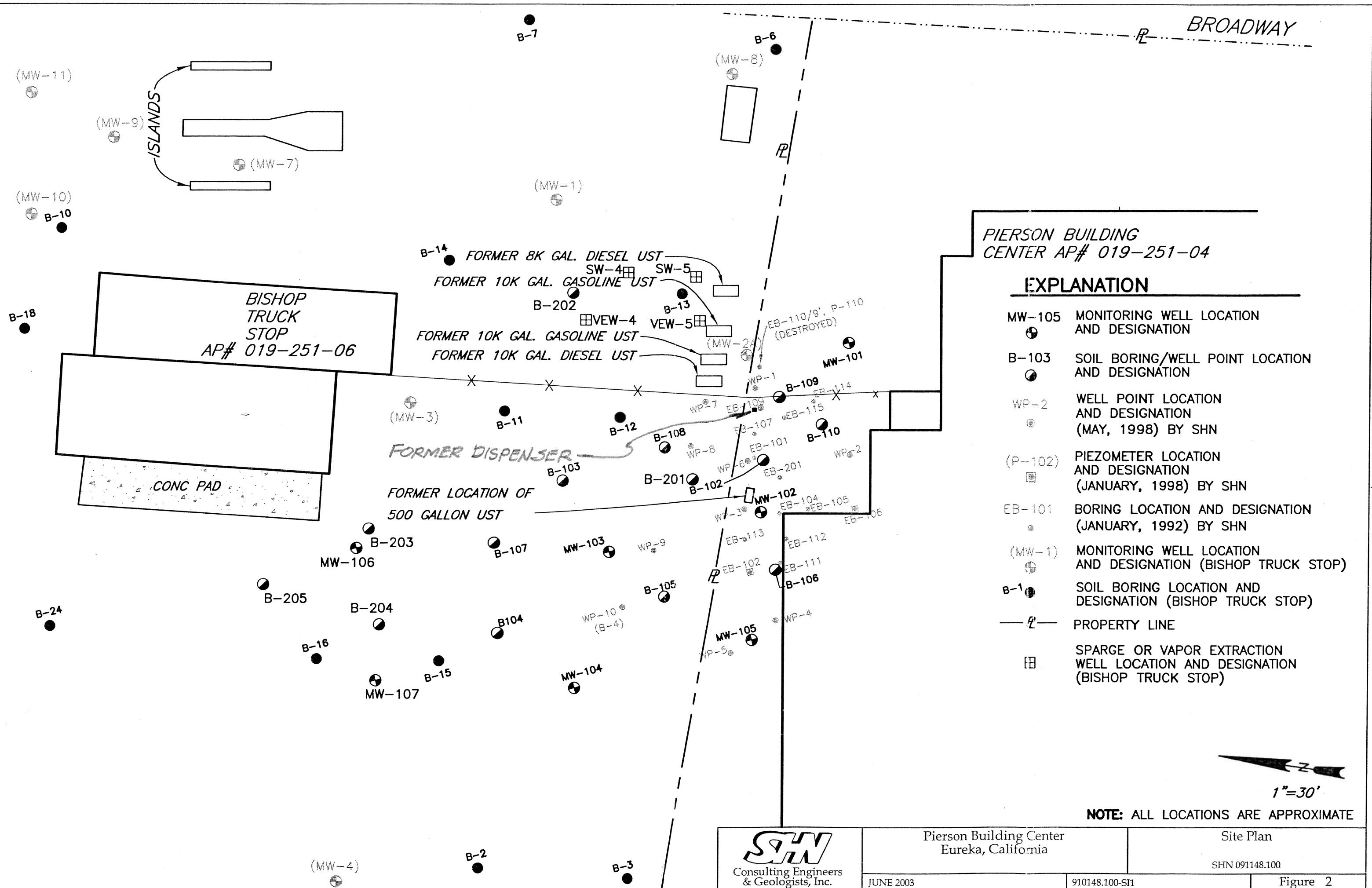


SOURCE: EUREKA
USGS 7.5 MINUTE
QUADRANGLE

1"=2000'±

SH Consulting Engineers & Geologists, Inc.	Pierson Building Center Eureka, California	Site Location Map SHN 091148.100
	February, 2005	091148.100-LOCATION

Figure 1



Robert Stone

Case Closure Summary for Pierson Building Center

November 2, 2005

Page 2

During November 1987, the paint thinner UST (Tank #2) was closed in-place by Beacom Construction Company and was filled with concrete.

Soil samples collected from the vicinity of the UST by Baird Engineering on November 16, 1988, indicated 1.8 parts per million (ppm) Total Petroleum Hydrocarbons as Paint Thinner (TPHPT). The depth from which the samples were collected is unknown.

During October 1989, LACO Associates collected soil samples at the east and west sides of the tank, at a depth of 6.5 feet Below Ground Surface (BGS). A grab water sample was also collected during the LACO investigation. These soil and water samples were analyzed for Total Petroleum Hydrocarbons as Solvent (TPHS).

In April of 1990, Beacom Construction Company removed the UST and associated pipe and pumping system; however, no soil was removed from the pit. Beacom personnel collected soil and water samples from the excavation following UST removal. In a receipt dated April 1990, a subcontractor to Beacom Construction documented the appropriate disposal of the UST.

On January 20, 1992, SHN conducted a subsurface investigation surrounding the former UST. A total of 15 hand auger borings were advanced to groundwater. Soil samples were retrieved from each boring near the soil/groundwater interface. Three piezometers were constructed within exploratory borings EB-102 (P-102), EB-106 (P-106), and EB-110 (P-110).

On March 25, 1992, one groundwater sample was collected from boring EB-201.

On January 30, 1998, groundwater samples were collected from piezometers P-102 and P-106.

On May 18, 1998, SHN augured 6 soil borings (approximately 6 to 8 feet deep) on the PBC site and collected one soil sample per boring (WP-1 through WP-6). Four additional borings were advanced with a Geoprobe® (WP-7 through WP-10), which were located on the Bishop Truck Stop (BTS) site. Following collection of the soil samples, SHN installed a temporary well point inside each of the borings (WP-1 through WP-6) installed on the PBC site and water samples were obtained for laboratory analysis. Water samples WP-7 through WP-10 were collected from the adjacent site, using the direct push Geoprobe® system.

Laboratory analytical reports for the samples taken on May 18, 1998, noted irregularities concerning some of the analyses of the petroleum hydrocarbon products detected in the samples from the site. SHN reviewed the chromatographs of the samples as part of our interpretation of the laboratory results. Results from the investigation were also compared with historical results from both the Pierson site and the BTS site. Based upon the comprehensive on- and off-site investigation, which defined areas of soil and groundwater contamination, it appears that two contaminated groundwater plumes existed: a paint thinner plume associated with the former Pierson UST activities, and a gasoline/BTEX (Benzene, Toluene, Ethylbenzene, and total Xylenes) and diesel plume from the former BTS site.

On March 26, 2001, SHN supervised the installation of 14 soil borings (B-102 through B-110, and MW-101 through MW-105). Temporary well points were installed in borings B-102 through B-110, and groundwater-monitoring wells were installed in the remaining borings.

Robert Stone

Case Closure Summary for Pierson Building Center

November 2, 2005

Page 3

On April 30, 2002, SHN supervised the installation of 7 soil borings. Temporary well points were installed in 5 borings and groundwater samples were collected. Three soil cores were collected from three borings for the BioJet® bench scale test from the vicinity of B-201.

On November 20, 2002, SHN supervised the installation of 2 additional groundwater-monitoring wells (MW-106 and MW-107).

In January 2003, regular groundwater monitoring of site groundwater monitoring wells began, per the approved WDRs (Order No. R1-2002-0110).

On February 3 through 6, 2003, SHN supervised Fisch Environmental in the injection of approximately 6,580 gallons of BioJet®'s proprietary biosolution to enhance the biologic degradation of petroleum hydrocarbons.

On June 22, 2004, SHN supervised Fisch Environmental in the injection of approximately 1,580 gallons of BioJet®'s proprietary biosolution.

Sixteen groundwater-monitoring events were conducted between January 2003 and April 2005.

On December 1, 2004, the RWQCB rescinded PBC's monitoring and reporting program (Order No. R1-2004-0058).

Site Hydrogeology

Surface coverings at the site consist primarily of asphalt, with some areas of exposed soils or gravel-covered soils. Subsurface soils generally consist of a 2- to 3-foot layer of gravelly base material on top of a 0.5- to 1.5-foot layer of silty sand. Below the silty sand is a 3- to 4-foot layer of fine-grained sand, underlain by a 1-foot thick layer of medium grained sand to fine gravel. Below this layer is a 1- to 2-foot thick layer of fine sand, a 1-foot thick layer of medium sand with fine gravel, and a layer of dense, fine sand which persisted to the bottom of the borings.

Depth-to-groundwater measurements have ranged from approximately 3.30 to 7.60 feet below the top of the well casings. Groundwater elevations have varied at the site generally between 8.00 and 11.00 feet relative to mean sea level. Groundwater flow is generally to the west or northwest with an average gradient of 0.002 for the last 4 quarterly monitoring events.

Remedial Action and Natural Attenuation

Following SHN's corrective action plan approval, and completion of the required pilot study utilizing site soil and groundwater and BioJet®'s proprietary biosolution, WDR were completed and approved. In February of 2003, approximately 6,580 gallons of the biosolution was injected at predetermined locations into the soil and aquifer, and then the WDRs were implemented to

Robert Stone

Case Closure Summary for Pierson Building Center

November 2, 2005

Page 4

evaluate soil and groundwater conditions within and downgradient of the PBC release. In June of 2004, approximately 1,580 gallons of BioJet®'s proprietary biosolution was again injected into soil and the aquifer at predetermined locations. WDR monitoring and sampling was conducted until the WDRs were rescinded in December of 2004.

In addition to completing the WDR monitoring, sampling, and reporting, SHN monitored for indicators of biodegradation, which indicated that natural attenuation mechanisms are active at the site, and will continue to degrade residual groundwater contamination.

Sensitive Receptors

No sensitive receptors have been impacted from the former paint thinner UST. Humboldt Bay is located approximately 2,000 feet west of the site. Petroleum hydrocarbons above the laboratory method reporting limits have not been detected in downgradient monitoring wells MW-104 and MW-105.

Rationale for Closure

- The source of contamination (the paint thinner UST) has been removed. The UST was used exclusively for paint thinner storage. Benzene has not been detected in any groundwater samples from PBC monitoring wells MW-101 through MW-107.
- The site has been adequately characterized. The extent of soil and groundwater contamination related to the former paint thinner UST has been defined.
- The groundwater gradient at the site is relatively flat and groundwater flow direction has been consistently to the west or northwest.
- Petroleum hydrocarbons have not been detected in monitoring wells MW-104 and MW-105, which are located downgradient of the former paint thinner UST.
- Based on the results of the hydrocarbon fingerprinting, groundwater flow directions, and contaminant concentrations, the magnitude of the release from the former BTS UST complex is much greater than that from the Pierson UST. The gasoline release from the former BTS UST complex has impacted groundwater in the vicinity of monitoring wells MW-2A, MW-101 (upgradient of the paint thinner release on PBC property), MW-103 (downgradient of the paint thinner release), and possibly MW-102. The presence of gasoline in MW-2A, MW-101, and MW-103 is confirmed by the presence of isoctane, an octane-enhancing additive used in gasoline manufacturing (SHN, March 2004).
- The injection of BioJet®'s proprietary biosolution has been effective in enhancing the population of selective hydrocarbon degrading organisms. However, due to the impact from the former BTS UST complex, petroleum hydrocarbons continue to be detected in groundwater at the PBC site.
- The active remediation occurring at the BTS site will continue to remove petroleum hydrocarbons that have migrated onto the Pierson site and may eventually remove the BTS site source (in the vicinity of MW-2A) which is contributing to contamination in MW-101 and MW-103.

Robert Stone

Case Closure Summary for Pierson Building Center

November 2, 2005

Page 5

- Natural attenuation mechanisms are active at the site and will continue to degrade residual groundwater contamination.
- No sensitive receptors have been, or are likely to be, impacted from the former PBC paint thinner UST.
- The majority of the site is capped and, therefore, any potential exposure to residual soil contamination related to the former paint thinner UST has been mitigated. If any subsurface construction occurs in this area, any petroleum hydrocarbon impacted soil will be handled and disposed of appropriately.

In summary, the site has been adequately characterized and mitigated and has successfully demonstrated, through verification monitoring, that no threat to sensitive receptors is present.

Therefore, SHN recommends that the HCDEH and the RWQCB issue a "no further action" letter for the PBC site. Upon approval of the "no further action" letter, SHN will coordinate the destruction of the monitoring wells at the site, or will formally transfer ownership of the wells to Bishop Truck Stop.

If you have any questions, please call John Aveggio, Roland Rueber or me at 707/441-8855.

Sincerely,

SHN Consulting Engineers & Geologists, Inc.



Patrick Barsanti
Project Manager

PNB/RMR:lms:med

Attachments: 1. Historic Data
 2. UST Closure Application and Tank Locations

copy w/attach: Morgan Randall, Pierson Building Center
 Kasey Ashley, RWQCB
 Andrew Locicero, Blue Rock Environmental
 UST Cleanup Fund

References Cited

SHN Consulting Engineers & Geologists, Inc. (March 2004). *First Quarter 2004 Groundwater Monitoring Report 4100 Broadway, Eureka, California*. Eureka: SHN.

Attachment 1

Historic Data

Table 1-1
Resampling Event (LACO, October 1989)
Pierson Building Center, Eureka, California

Sample/Depth (feet)	TPH Solvent
West/6.5'	68 ug/g ¹
East/6.5'	160 ug/g
Water/7'	1,100,000 ug/L ²

1. ug/g: micrograms per gram 2. ug/L: micrograms per Liter

Table 1-2
Samples Collected Following the UST Removal (April 1990)
Pierson Building Center, Eureka, California

Sample Location/ Depth (feet)	TPHS ¹	TPHD ²	TPHG ³	Benzene	Toluene	Ethyl- benzene	Total Xylenes
North/8 (soil; ug/g)	ND ⁴	NT ⁵	NT	ND	ND	ND	ND
North/8.5 (water; ug/L)	120,000	5,100	1,100,000	ND	ND	5,000	19,000

1. TPHS: Total Petroleum Hydrocarbons as Solvent
 2. TPHD: Total Petroleum hydrocarbons as Diesel
 3. TPHG: Total Petroleum Hydrocarbons as Gasoline
4. ND: Not Detected
 5. NT : Not Tested

Table 1-3
Samples Collected During the Subsurface Soil Investigation (SHN, January 1992)
Pierson Building Center, Eureka, California

Sample Location	Depth (feet)	TPHG (in ug/g) ¹	TPHD (ug/g)	TPHPT (ug/g)	BTEX (ug/g)
EB-101	6.9	68	ND ²	4.8	ND
EB-102	7.7	1.2	ND	ND	ND
EB-105	6.8	600	8.7	14	ND
EB-106	6.8	ND	ND	ND	ND
EB-107	6.9	320	ND	ND	ND
EB-109	7.8	850	780	1,100	ND
EB-110	9.0	ND	ND	ND	ND
EB-111	6.5	ND	ND	ND	ND
EB-112	6.8	1,200	5.4	6.2	ND
EB-113	6.9	7,900	36	760	ND
EB-114	7.5	ND	ND	ND	ND
EB-115	7.0	930	1.8	4.8	ND

1. ug/g: micrograms per gram
 2. ND: Not Detected

Table 1-4
Grab Water Sample Collected from EB-201 (SHN, March 1992)
Pierson Building Center, Eureka, California

Parameter	Results (ug/L) ¹
Total Petroleum Hydrocarbons as Gasoline (TPHG)	8,900
Total Petroleum hydrocarbons as Diesel (TPHD)	200
Total Petroleum hydrocarbons as Paint Thinner (TPHPT)	3,500
Benzene	<2.5 ²
Toluene	<5.0
Ethylbenzene	<50
Total Xylenes	<50

1. ug/L: micrograms per Liter
 2. <: Denotes a value that is "less than" the method detection limit.

Table 1-5
Groundwater Analytical Results from Piezometer Sampling, (SHN, January 30, 1998)
Pierson Building Center, Eureka, California
 (ug/L)¹

Sample Location	TPHG ²	TPHD ³	TPHS ⁴	B ⁵	T ⁵	E ⁵	X ⁵	MTBE ⁶
P-102	<50 ⁷	<50	<50	<0.5	<0.5	<0.5	<0.5	<5
P-106	530	68	360	<0.5	<1.0	<2.0	<2.0	<5

1. ug/L: micrograms per Liter
2. TPHG: Total Petroleum Hydrocarbons as Gasoline
3. TPHD: Total Petroleum hydrocarbons as Diesel
4. TPHS: Total Petroleum Hydrocarbons as Solvent
5. B: Benzene, T: Toluene, E: Ethylbenzene, X: total Xylenes
6. MTBE: Methyl Tertiary-Butyl Ether
7. <: Denotes a value that is "less than" the method detection limit.

Table 1-6
Soil Analytical Results from the Investigation of May, 18, 1998
Pierson Building Center, Eureka, California
(ug/Kg)¹

Sample Location/ Depth (feet)	TPHPT ²	TPHD ³	TPHG ⁴	B ⁵	T ⁵	E ⁵	X ⁵	MTBE ⁶
WP-1/6 ⁷	<1.0 ⁸	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
WP-2/5	<1.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
WP-3/4	<1.0	2.7	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
WP-4/4	<1.0	13	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
WP-5/4	<1.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
WP-6/5	<1.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
WP-7/6	<1.0	4.6	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
WP-8/6	<1.0	NT ⁹	NT	NT	NT	NT	NT	NT
WP-9/6	<1.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
WP-10/6	<1.0	NT	NT	NT	NT	NT	NT	NT

1. ug/Kg: micrograms per Kilogram

2. TPHPT: Total Petroleum Hydrocarbons as Paint Thinner

3. TPHD: Total Petroleum hydrocarbons as Diesel

4. TPHG: Total Petroleum Hydrocarbons as Gasoline

5. B – Benzene; T – Toluene; E – Ethylbenzene; X - total Xylenes

6. MTBE: Methyl Tertiary-Butyl Ether

7. WP-1/6 indicates sample from boring WP-1 was collected from a depth of 6 feet below grade.

8. <: Denotes a value that is "less than" the method detection limit.

9. NT: Not Tested

Table 1-7
Groundwater Analytical Results from the Investigation of May, 18, 1998
Pierson Building Center, Eureka, California
 $(\mu\text{g/L})^1$

Sample Location	TPHPT ²	TPHD ³	TPHG ⁴	B ⁵	T ⁵	E ⁵	m,p-X ⁵	o-X ⁵	MTBE ⁶
WP-1	5,600	200	8,300	84	200	530	1,100	190	<500 ⁷
WP-2	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
WP-3	850	<50	960	<0.5	<0.5	<1.5	<1.5	<4.0	<5.0
WP-4	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
WP-5	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
WP-6	1,100	140	1,300	<1.0	<3.5	<8.0	<8.0	<8.0	<10.0
WP-7	71	<50	78	0.52	0.58	0.59	0.90	<0.5	<5.0
WP-8 (B-5) ⁸	<50	NT ⁹ (ND) ¹⁰	NT (ND)	NT (ND)	NT (ND)	NT (ND)	NT (ND)	NT (ND)	NT
WP-9	7,000	1,900	9,800	<10	<10	10	<10	<10	<100
WP-10 (B-4) ⁸	87	NT (73)	NT (150)	NT (ND)	NT (ND)	NT (0.96)	NT (ND)	NT (ND)	NT

1. ug/L: micrograms per Liter

2. TPHPT: Total Petroleum Hydrocarbons as Paint Thinner

3. TPHD: Total Petroleum hydrocarbons as Diesel

4. TPHG: Total Petroleum Hydrocarbons as Gasoline

5. B: Benzene, T: Toluene, E: Ethylbenzene, X: total Xylenes (includes m,p-X and o-X)

6. MTBE: Methyl Tertiary-Butyl Ether

7. <: Denotes a value that is "less than" the method detection limit.

8. Water samples collected at (B-4) and (B-5) were collected by CGI for analysis; the concentrations are shown in parentheses

9. NT: Not Tested

10. ND: Not Detected

Table 1-8
Soil Analytical Results, March 26, 2001
Pierson Building Center, Eureka, California
(in ug/g)¹

Sample Location/Depth (feet)	TPHD ²	TPHPT ³	TPHG ³	B ⁴	T ⁴	E ⁴	X ⁴	MTBE ⁴
MW-101/6.75	<1.0 ⁵	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
MW-101/11.5	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
MW-102/7	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
MW-102/11.5	<1.0	4.5	4.3	<0.0050	<0.0050	<0.0050	<0.015	<0.050
MW-103/6.5	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
MW-103/11.5	<1.0	3.4	2.7	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
MW-104/6	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
MW-104/11	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
MW-105/6	<1.0	<1.0	<1.0	<0.0050	0.05	<0.0050	<0.0050	<0.050
MW-105/11	<1.0	<1.0	<1.0	<0.0050	0.018	<0.0050	<0.0050	<0.050
B-102/7	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B-102/11.5	<1.0	<1.0	<1.0	<0.0050	0.009	<0.0050	<0.0050	<0.050
B-103/6.75	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B-103/11.5	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B-104/6	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B-104/11	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B-105/6.5	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B-105/11	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B-106/6.5	<1.0	<1.0	<1.0	<0.0050	0.012	<0.0050	<0.0050	<0.050
B-106/11.5	<1.0	<1.0	<1.0	<0.0050	0.012	<0.0050	<0.0050	<0.050
B-107/6.5	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B-107/11.5	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B-108/6.75	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B-108/11.5	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B-109/6.5	810	1,500	900	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B-109/11.5	<1.0	1.9	3.1	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B-110/7	<1.0	<1.0	<1.0	<0.0050	0.023	<0.0050	<0.0050	<0.050
B-110/11.5	<1.0	<1.0	<1.0	<0.0050	0.018	<0.0050	<0.0050	<0.050

1. ug/g: micrograms per gram
2. TPHD: Total Petroleum Hydrocarbons as Diesel analyzed in general accordance with EPA Method 3550. Sample results above the detection limit contain some material lighter than diesel, however some of this material extends into the diesel range of molecular weights.
3. TPHPT: Total Petroleum Hydrocarbons as Paint Thinner and TPHG: TPH as Gasoline analyzed in general accordance with EPA Method 5035. Sample results above the detection limit do not present a peak pattern consistent with that of paint thinner or gasoline, however the results reported represent the amount of material in the paint thinner or gasoline range.
4. Benzene (B), Toluene (T), Ethylbenzene (E), Xylenes (X), and Methyl Tertiary-Butyl Ether (MTBE) analyzed in general accordance with EPA Method 8021B.
5. <: Denotes a value that is "less than" the method detection limit.

Table 1-9
Groundwater Analytical Results
Pierson Building Center, Eureka, California
(in ug/L)¹

Sample Location	Sample Date	TPHD ²	TPHPT ³	TPHGC ⁴	B ⁴	T ⁴	E ⁴	X ⁴	MTBE ⁴	DIPE ⁴	ETBE ⁴	TAME ⁴	TB ⁴	M ⁴	ET ⁴	
Monitoring Wells																
MW-101	3/29/01	<50 ⁵	<50	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	280	<5.0	<5.0
MW-102	3/30/01	320	1,300	1,600	<0.50	<0.50	0.95	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	70	<5.0	<5.0
MW-103	3/30/01	910	4,200	5,300	<0.50	12	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<5.0	<5.0
MW-104	3/29/01	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<5.0	<5.0
MW-105	3/29/01	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	120	<5.0	<5.0
Temporary Well Points																
B-102	3/26/01	5,000	3,500	9,000	<0.50	<0.50	0.62	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<100	<30	<30
B-103	3/26/01	130	730	600	<0.50	<0.50	<0.50	<0.50	1.9	<0.50	<0.50	<0.50	<0.50	<50	<50	<50
B-104	3/26/01	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	<0.50	<0.50	<0.50	<50	<50	<50
B-105	3/26/01	<50	69	150	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50	<50
B-106	3/26/01	<50	58	52	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50	<50
B-107	3/26/01	910	3,300	5,700	<1.0	<1.0	1.9	1.7	2.8	<1.0	<1.0	<1.0	<1.0	<100	<10	<10
B-108	3/26/01	2,400	3,500	5,200	<0.50	0.61	0.93	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<20	<20
B-109	3/26/01	56,000	420	1,700	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<5.0	<5.0
B-110	3/26/01	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<5.0	<5.0

1. ug/L: micrograms per Liter

2. Total Petroleum Hydrocarbons as Diesel (TPHD) analyzed in general accordance with EPA Method 3550. Sample results above the detection limit contain some material lighter than diesel, however some of this material extends into the diesel range of molecular weights.

3. Total Petroleum Hydrocarbons as Paint Thinner (TPHPT) analyzed in general accordance with EPA Method 5035. Sample results above the detection limit do not present a peak pattern consistent with that of paint thinner, however the results reported represent the amount of material in the paint thinner range.

4. Total Petroleum Hydrocarbons as Gasoline (TPHG), benzene (B), Toluene (T), Ethylbenzene (E), total Xylenes (X), Methyl Tertiary-Butyl Ether (MTBE), Diisopropyl Ether (DIPE), Ethyl Tertiary-Butyl Ether (ETBE), Tertiary-Amyl Methyl Ether (TAME), Tertiary-Butanol (TB), Methanol (M), and Ethanol (ET) analyzed in general accordance with EPA Method 8260B.

5. < Denotes a value that is "less than" the method detection limit.

Table 1-10
Soil Analytical Results- April 30, 2002
Pierson Building Center, Eureka, California
(in ug/g)¹

Sample Location/ Depth (feet)	TPHD ²	TPHPT ³	TPHG ³	B ⁴	T ⁴	E ⁴	X ⁴	MTBE ⁴
B-201 @ 6.5'	<1.0 ⁵	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B-202 @ 7'	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B-203 @ 6'	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
B-204 @ 6.5'	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050
B-205 @ 6.5'	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050

1. ug/g: micrograms per gram
 2. TPHD: Total Petroleum Hydrocarbons as Diesel analyzed in general accordance with EPA Method 3550.
 3. Total Petroleum Hydrocarbons as Paint Thinner (TPHPT) and as Gasoline (TPHG) analyzed in general accordance with EPA Method 5035.
 4. Benzene (B), Toluene (T), Ethylbenzene (E), total Xylenes (X), and Methyl Tertiary-Butyl Ether (MTBE) analyzed in general accordance with EPA Method 8021B.
 5. <: Denotes a value that is "less than" the method detection limit.

Table 1-11
Groundwater Analytical Results, April 30, 2002
Pierson Building Center, Eureka, California
(in ug/L)¹

Sample Location	TPHD ²	TPHPT ³	TPHG ³	B ⁴	T ⁴	E ⁴	X ⁴	MTBE ⁴
B-201	1,600 ⁵	500 ⁶	500 ⁷	<0.50 ⁸	<0.50	<0.50	1.17	<1.0
B-202	520 ⁹	<50	<50	<0.50	<0.50	<0.50	<0.50	1.8
B-203	2,400 ⁹	<50	<50	<0.50	<0.50	<0.50	<0.50	<1.0
B-204	5,000 ⁹	<50	<50	<0.50	<0.50	<0.50	0.62	3.1
B-205	1,200 ⁹	<50	<50	<0.50	<0.50	<0.50	<0.50	2.2

1. ug/L: micrograms per Liter
 2. TPHD: Total Petroleum Hydrocarbons as Diesel analyzed in general accordance with EPA Method 3510.
 3. Total Petroleum Hydrocarbons as Paint Thinner (TPHPT) and as Gasoline (TPHG) analyzed in general accordance with EPA Method 5035.
 4. Benzene (B), Toluene (T), Ethylbenzene (E), total Xylenes (X), and Methyl Tertiary-Butyl Ether (MTBE) analyzed in general accordance with EPA Method 8260B.
 5. Contains some material lighter than diesel. However, some of this material extends into the diesel range of molecular weights. Contains material in the diesel range of molecular weights, but the material does not exhibit the peak pattern typical of diesel oil.
 6. Appears to be paint thinner but certain peak ratios are not that of a fresh paint thinner standard. The reported result represents the amount of material in the paint thinner range.
 7. Does not present a peak pattern consistent with that of gasoline. The reported result represents the amount of material in the gasoline range.
 8. <: Denotes a value that is "less than" the method detection limit.
 9. Contain material in the diesel range of molecular weights and beyond. This suggests the presence of an oil heavier than diesel.

Table 1-12
Soil Analytical Results, November 20, 2002
Pierson Building Center, Eureka, California
(in ug/g)¹

Sample Location/ Depth (feet)	TPHD ²	TPHPT ³	TPHG ³	B ⁴	T ⁴	E ⁴	X ⁴	MTBE ⁴
MW-106 @ 7'	<1.0 ⁵	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
MW-107 @ 6'	<1.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050

1. ug/g: micrograms per gram
2. TPHD: Total Petroleum Hydrocarbons as Diesel analyzed in general accordance with EPA Method 3550.
3. Total Petroleum Hydrocarbons as Paint Thinner (TPHPT) and as Gasoline (TPHG) analyzed in general accordance with EPA Method 5030. The samples were not originally analyzed for paint thinner. They were analyzed for gasoline, which uses the same analytical method as paint thinner. The area counts for the gasoline standards analyzed on 11/26/02 and 1/22/03 were compared to the paint thinner standards analyzed on 1/22/03. The detector response showed no significant change between the two dates of analysis. The data from the original gasoline analysis for the samples was reprocessed using the paint thinner method from 1/22/03. There were no peaks detected in the paint thinner range for these samples.
4. Benzene (B), Toluene (T), Ethylbenzene (E), total Xylenes (X), and Methyl Tertiary-Butyl Ether (MTBE) analyzed in general accordance with EPA Method 8021B.
5. <: Denotes a value that is "less than" the method detection limit.

Table 1-13
Historic Groundwater Elevations
Pierson Building Center, Eureka, California

Sample Location	Date Measured	Top of Casing Elevation (feet MSL) ¹	Depth to Groundwater ² (feet)	Groundwater Elevation (feet MSL)
MW-101	1/20/03	15.69	6.07	9.62
	2/10/03		6.10	9.59
	2/24/03		5.93	9.76
	3/10/03		6.15	9.54
	3/24/03		5.98	9.71
	4/7/03		5.80	9.89
	4/21/03		5.78	9.91
	5/5/03		5.64	10.05
	7/7/03		6.64	9.05
	10/6/03		7.31	8.38
	1/5/04		4.92	10.77
	4/5/04		4.68	11.01
	7/7/04		6.98	8.71
	10/8/04		7.61	8.08
MW-102	1/14/05		6.21	9.48
	4/1/05		6.13	9.56
	1/20/03	14.81	5.25	9.56
	2/10/03		5.28	9.53
	2/24/03		5.08	9.73
	3/10/03		5.32	9.49
	3/24/03		5.14	9.67
	4/7/03		4.94	9.87
	4/21/03		4.94	9.87
	5/5/03		4.78	10.03
	7/7/03		5.80	9.01
	10/6/03		6.50	8.31
	1/5/04		4.50	10.31
	4/5/04		4.12	10.69
	7/7/04		6.12	8.69
	10/8/04		6.77	8.04
	1/14/05		5.38	9.43
	4/1/05		5.28	9.53

Table 1-13
Historic Groundwater Elevations
Pierson Building Center, Eureka, California

Sample Location	Date Measured	Top of Casing Elevation (feet MSL) ¹	Depth to Groundwater ² (feet)	Groundwater Elevation (feet MSL)
MW-103	1/20/03	14.83	5.27	9.56
	2/10/03		5.31	9.52
	2/24/03		5.12	9.71
	3/10/03		5.36	9.47
	3/24/03		5.16	9.67
	4/7/03		4.99	9.84
	4/21/03		4.98	9.85
	5/5/03		4.82	10.01
	7/7/03		5.84	8.99
	10/6/03		6.53	8.30
	1/5/04		4.85	9.98
	4/5/04		4.42	10.41
	7/7/04		6.15	8.68
	10/8/04		6.79	8.04
MW-104	1/14/05		5.44	9.39
	4/1/05		5.33	9.50
	1/20/03	14.09	4.62	9.47
	2/10/03		4.64	9.45
	2/24/03		4.45	9.64
	3/10/03		4.66	9.43
	3/24/03		4.49	9.60
	4/7/03		4.31	9.78
	4/21/03		4.32	9.77
	5/5/03		4.16	9.93
	7/7/03		5.18	8.91
	10/6/03		5.85	8.24
	1/5/04		4.26	9.83
	4/5/04		3.87	10.22
	7/7/04		5.48	8.61
	10/8/04		6.10	7.99
	1/14/05		4.76	9.33
	4/1/05		4.65	9.44

Table 1-13
Historic Groundwater Elevations
Pierson Building Center, Eureka, California

Sample Location	Date Measured	Top of Casing Elevation (feet MSL) ¹	Depth to Groundwater ² (feet)	Groundwater Elevation (feet MSL)
MW-105	1/20/03	13.78	4.25	9.53
	2/10/03		4.28	9.50
	2/24/03		4.04	9.74
	3/10/03		4.31	9.47
	3/24/03		4.13	9.65
	4/7/03		3.93	9.85
	4/21/03		3.94	9.84
	5/5/03		3.78	10.00
	7/7/03		4.82	8.96
	10/6/03		5.52	8.26
	1/5/04		3.55	10.23
	4/5/04		3.30	10.48
	7/7/04		5.14	8.64
	10/8/04		5.78	8.00
MW-106	1/14/05		4.40	9.38
	4/1/05		4.30	9.48
	1/20/03	15.59	6.09	9.50
	2/10/03		6.12	9.47
	2/24/03		4.65	10.94
	3/10/03		6.19	9.40
	3/24/03		5.99	9.60
	4/7/03		5.86	9.73
	4/21/03		5.80	9.79
	5/5/03		5.69	9.90
	7/7/03		6.64	8.95
	10/6/03		7.32	8.27
	1/5/04		6.00	9.59
	4/5/04		5.51	10.08
	7/7/04		6.95	8.64
	10/8/04		7.58	8.01
	1/14/05		6.29	9.30
	4/1/05		6.16	9.43

Table 1-13
Historic Groundwater Elevations
Pierson Building Center, Eureka, California

Sample Location	Date Measured	Top of Casing Elevation (feet MSL) ¹	Depth to Groundwater ² (feet)	Groundwater Elevation (feet MSL)
MW-107	1/20/03	14.28	4.83	9.45
	2/10/03		4.85	9.43
	2/24/03		5.94	8.34
	3/10/03		4.91	9.37
	3/24/03		4.72	9.56
	4/7/03		4.57	9.71
	4/21/03		5.53	8.75
	5/5/03		4.41	9.87
	7/7/03		5.39	8.89
	10/6/03		6.07	8.21
	1/5/04		4.71	9.57
	4/5/04		4.28	10.00
	7/7/04		6.69	7.59
	10/8/04		6.31	7.97
MW-2A	1/14/05		5.00	9.28
	4/1/05		4.88	9.40
	1/20/03	16.81	7.21	9.60
	2/10/03		7.24	9.57
	2/24/03		7.06	9.75
	3/10/03		7.30	9.51
	3/24/03		7.13	9.68
	4/7/03		6.94	9.87
	4/21/03		6.93	9.88
	5/5/03		6.79	10.02
	7/7/03		7.79	9.02
	10/6/03		8.45	8.36
	1/5/04		6.36	10.45
	4/5/04		6.08	10.73
	7/7/04		8.13	8.68

Table 1-13
Historic Groundwater Elevations
Pierson Building Center, Eureka, California

Sample Location	Date Measured	Top of Casing Elevation (feet MSL) ¹	Depth to Groundwater ² (feet)	Groundwater Elevation (feet MSL)
MW-3	1/20/03	15.13	5.65	9.48
	2/10/03		5.63	9.50
	2/24/03		5.46	9.67
	3/10/03		5.73	9.40
	3/24/03		5.58	9.55
	4/7/03		5.94	9.19
	4/21/03		5.34	9.79
	5/5/03		5.23	9.90
	7/7/03		6.26	8.87
	10/6/03		6.86	8.27
	1/5/04		5.53	9.60
	4/5/04		5.11	10.02
	7/7/04		6.72	8.41

1. MSL: Mean Sea

2. Below top of casing

Table 1-14

Historic Groundwater Analytical Results
Pierson Building Center, Eureka, California

Sample Location	Date	TPHd ¹ ($\mu\text{g/L}$) ²	TPHPT ³ ($\mu\text{g/L}$)	TPHG ⁴ ($\mu\text{g/L}$)	B ⁵ ($\mu\text{g/L}$)	T ⁵ ($\mu\text{g/L}$)	E ⁵ ($\mu\text{g/L}$)	X ⁵ ($\mu\text{g/L}$)	Dissolved Iron ($\mu\text{g/L}$)	Nitrate (mg/L) ⁶	Nitrite (mg/L) ⁶	Ammonia Nitrogen (mg/L)	Phosphate (mg/L)	Potassium ($\mu\text{g/L}$)	Total Organic Carbon (mg/L)
MW-101	3/29/01	<50 ⁷	120	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA
1/20/03	130 ⁸	880 ⁹	1,400 ¹⁰	<0.50	2.3	42	89	1,000	<0.10	<0.20	<0.20	2.3	8,500	3.85	
2/10/03	340 ^{8,12}	2,000 ⁹	3,300 ¹⁰	<2.5	2.5	110	318	800	<0.10	<0.20	<0.20	1.3	8,600	4.10	
2/24/03	320 ^{8,12}	2,500 ⁹	4,200 ¹⁰	<2.5	<2.5	77	199	1,100	<0.10	<0.50	1.3	1.8	7,900	3.93	
3/10/03	350 ⁸	3,500 ⁹	4,400 ¹⁰	<1.0	1.9	140	431	1,400	<0.10	<0.20	<0.20	1.7	8,400	3.83	
3/24/03	350 ^{8,12}	1,300 ⁹	2,400 ¹⁰	<1.0	1.7	120	343	1,700	<0.10	<0.50	0.28	1.4	8,300	3.69	
4/7/03	400 ⁸	1,200 ⁹	1,800 ¹⁰	<1.0	1.2	100	278	1,700	<0.10	<0.10	<0.20	1.4	8,500	3.66	
4/21/03	360 ⁸	1,300 ⁹	2,000 ¹⁰	<0.50	0.91	80	149	1,300	<0.10	<0.20	<0.20	1.3	8,000	3.82	
5/5/03	320 ^{8,12}	1,800 ⁹	2,700 ¹⁰	<1.0	<1.0	46	67.8	2,200	<0.10	<0.20	<0.20	0.93	8,100	3.55	
7/7/03	550 ⁸	4,300 ⁹	5,900 ¹⁰	<2.0	<2.0	98	118.4	2,300	<0.10	<0.10	<0.20	1.7	6,600	3.54	
10/6/03	370 ⁸	1,200 ⁹	3,300 ¹⁰	<0.50	1.3	17	18.1	3,100	<0.10	<0.10	<0.10	0.46	1.6	7,100	4.05
1/5/04	1,400 ^{8,12}	23,000 ⁹	18,000 ¹⁰	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/5/04	670 ^{8,12}	3,700 ⁹	5,400 ¹⁰	<0.50	43	74.8	500	<0.10	<0.10	<0.20	0.48	<5,000	2.10		
7/7/04	1,100 ⁸	4,600 ⁹	6,400 ¹¹	<1.0	<1.0	5.7	3.0	2,000	<0.10	<0.10	<0.20	0.78	<5,000	2.60	
10/8/04	550 ^{8,12}	2,200 ⁹	2,800 ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/14/05	260 ^{8,12}	960 ⁹	1,300 ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/1/05	380 ^{8,12}	1,200 ⁹	1,900 ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-102	3/29/01	320	1,300	1,600	<0.50	0.95	<0.50	NA	NA	NA	NA	NA	NA	NA	NA
1/20/03	180 ⁸	480 ⁹	520 ¹¹	<0.50	0.55	<0.50	<0.50	7,600	<0.10	<1.0	<0.20	0.41	7,300	8.79	
2/10/03	180 ⁸	220 ⁹	260 ¹¹	<0.50	<0.50	<0.50	<0.50	8,900	<0.10	<1.0	<0.20	0.45	<5,000	10.50	
2/24/03	120 ⁸	180 ⁹	200 ¹¹	<0.50	<0.50	<0.50	<0.50	6,600	<0.10	<0.50	<0.20	0.34	<5,000	10.10	
3/10/03	130 ⁸	510 ⁹	490 ¹¹	<0.50	<0.50	<0.50	<0.50	6,100	<0.10	<1.0	<0.20	0.38	<5,000	8.30	
3/24/03	110 ⁸	130 ⁹	140 ¹¹	<0.50	<0.50	<0.50	<0.50	2,500	<0.10	<0.50	<0.20	0.17	5,100	8.64	
4/7/03	170 ⁸	360 ⁹	370 ¹⁰	<0.50	<0.50	<0.50	<0.50	3,800	<0.10	<1.0	<0.20	0.21	<5,000	10.10	
4/21/03	150 ⁸	280 ⁹	290 ¹⁰	<0.50	<0.50	<0.50	<0.50	3,400	<0.10	<0.50	<0.20	0.19	<5,000	9.04	
5/5/03	120 ^{8,12}	360 ⁹	400 ¹⁰	<0.50	<0.50	<0.50	<0.50	3,900	<0.10	<0.50	<0.20	0.38	5,000	9.13	
7/7/03	160 ⁸	420 ⁹	440 ¹¹	<0.50	<0.50	<0.50	<0.50	5,200	<0.10	<0.20	0.62	<5,000	5.87		
10/6/03	75 ⁸	410 ⁹	470 ¹¹	<0.50	<0.50	<0.50	<0.50	8,700	<0.10	<0.20	0.54	5,600	4.20		
1/5/04	63 ¹²	66 ⁹	54 ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/5/04	110 ¹²	370 ⁹	420 ¹¹	<0.50	<0.50	<0.50	<0.50	1,100	<0.10	<0.20	0.63	<5,000	4.40		
7/7/04	250 ⁸	620 ⁹	550 ¹¹	<0.50	<0.50	<0.50	<0.50	4,600	<0.10	<0.20	0.47	5,200	2.10		

Table 1-14

Historic Groundwater Analytical Results
Pierson Building Center, Eureka, California

Sample Location	Date	TPHd ¹ ($\mu\text{g/L}$) ²	TPHPT ³ ($\mu\text{g/L}$) ²	TPHGT ⁴ ($\mu\text{g/L}$)	B ⁵ ($\mu\text{g/L}$)	T ⁵ ($\mu\text{g/L}$)	E ⁵ ($\mu\text{g/L}$)	X ⁵ ($\mu\text{g/L}$)	Dissolved Iron ($\mu\text{g/L}$)	Nitrate (mg/L) ⁶	Nitrite (mg/L) ⁶	Ammonia Nitrogen (mg/L)	Phosphate (mg/L)	Potassium ($\mu\text{g/L}$)	Total Organic Carbon (mg/L)
MW-102 (cont'd)	10/8/04	200 ^{8,12}	490 ⁹	540 ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-103	1/14/05	140 ^{8,12}	330 ⁹	380 ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/1/05	280 ^{8,12}	560 ⁹	620 ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/29/01	910	4,200	5,300	<0.50	<0.50	12	0.6	NA	NA	NA	NA	NA	NA	NA
	1/20/03	440 ⁸	1,300 ⁹	1,300 ¹¹	<0.50	0.53	2.3	<0.50	1,200	1.4	<0.20	<0.20	0.34	<5,000	3.82
	2/10/03	590 ^{8,12}	1,700 ⁹	1,700 ¹¹	<0.50	<0.50	3.2	<0.50	2,600	1.1	<0.20	<0.20	0.23	<5,000	3.31
	2/24/03	530 ^{8,12}	1,000 ⁹	960 ¹¹	<0.50	0.50	3.3	<0.50	2,200	1.3	<0.50	0.3	0.4	<5,000	2.98
	3/10/03	520 ⁸	1,500 ⁹	1,400 ¹¹	<0.50	<0.50	2.2	<0.50	4,200	0.82	<0.50	0.23	0.27	<5,000	4.29
	3/24/03	140 ^{8,12}	1,100 ⁹	1,100 ¹¹	<0.50	<0.50	2.3	<0.50	4,400	1.1	<0.50	<0.20	0.12	<5,000	3.37
	4/7/03	450 ⁸	1,100 ⁹	1,100 ¹⁰	<0.50	<0.50	2.7	<0.50	3,400	0.81	<0.10	<0.20	0.15	<5,000	3.12
	4/21/03	370 ⁸	710 ⁹	730 ¹⁰	<0.50	<0.50	1.5	<0.50	2,100	0.94	<0.30	<0.20	0.08	<5,000	3.42
	5/5/03	350 ^{8,12}	1,200 ⁹	1,300 ¹⁰	<0.50	<0.50	1.6	<0.50	2,400	0.77	<0.20	<0.20	0.18	<5,000	3.18
	7/7/03	1,000 ⁸	4,400 ⁹	5,000 ¹¹	<0.50	0.54	4.8	<0.50	13,000	0.25	<0.10	0.48	0.26	<5,000	5.69
	10/6/03	760 ⁸	4,000 ⁹	4,000 ¹¹	<1.0	1.1	11	<1.0	31,000	<0.10	<0.20	0.87	0.92	5,900	11.10
	1/5/04	560 ^{8,12}	1,700 ⁹	1,600 ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/5/04	390 ^{8,12}	1,400 ⁹	1,600 ¹¹	<0.50	<0.50	3.5	<0.50	1,500	0.24	<0.10	<0.20	0.41	<5,000	4.70
	7/7/04	1,100 ⁸	1,900 ⁹	2,200 ¹¹	<0.50	<0.50	2.9	<0.50	13,000	<0.10	<0.10	0.31	0.58	<5,000	8.40
	10/8/04	1,200 ^{8,12}	4,300 ⁹	4,200 ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/14/05	410 ^{8,12}	1,200 ⁹	1,200 ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/1/05	840 ^{8,12}	1,300 ⁹	1,300 ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-104	3/29/01	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA
	1/20/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<100	6.7	<0.5	<0.20	0.27	<5,000	6.56
	2/10/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<100	6.2	<0.20	<0.20	0.19	<5,000	6.44
	2/24/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<100	3.8	<0.50	<0.20	0.23	<5,000	6.60
	3/10/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<100	5.2	<0.20	<0.20	0.2	<5,000	5.44
	3/24/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<100	4.6	<0.50	<0.20	0.13	<5,000	6.69
	4/7/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<100	4.3	<0.10	<0.20	0.17	<5,000	8.22
	4/21/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<100	2.0	<0.10	<0.20	0.18	<5,000	7.34
	5/5/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<100	2.6	<0.10	<0.20	0.32	<5,000	7.47
	7/7/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	110	2.5	<0.10	<0.20	0.40	<5,000	3.14
	10/6/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	340	0.98	<0.10	<0.20	0.13	<5,000	4.21

Table 1-14

Historic Groundwater Analytical Results
Pierson Building Center, Eureka, California

Sample Location	Date	TPHDI ¹ (ug/L) ²	TPHPT ³ (ug/L)	TPHGT ⁴ (ug/L)	B ⁵ (ug/L)	T ⁵ (ug/L)	E ⁵ (ug/L)	X ⁵ (ug/L)	Dissolved Iron (ug/L)	Nitrate (mg/L) ⁶	Nitrite (mg/L)	Ammonia Nitrogen (mg/L)	Phosphate (mg/L)	Potassium (ug/L)	Total Organic Carbon (mg/L)
MW-104 (cont'd)	1/5/04	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/7/04	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	0.54	<0.10	<0.20	0.13	<5,000	2.70	
	10/8/04	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1/14/05	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	4/1/05	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-105	3/29/01	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA	
	1/20/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	4.0	<0.10	<0.20	0.42	<5,000	2.97	
	2/10/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	2.0	<0.10	<0.20	0.25	<5,000	2.87	
	2/24/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	3.2	<0.10	<0.20	0.23	<5,000	2.81	
	3/10/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	1.3	<0.20	<0.20	0.49	<5,000	2.67	
	3/24/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	2.2	<0.10	<0.20	0.57	<5,000	3.04	
	4/7/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	3.9	<0.10	<0.20	0.40	<5,000	3.25	
	4/21/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	3.0	<0.10	<0.20	0.34	<5,000	3.24	
	5/5/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	6.2	<0.10	<0.20	0.30	<5,000	3.70	
	7/7/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	130	0.61	<0.10	<0.20	<0.40	<5,000	3.14
	10/6/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	0.23	<0.10	<0.20	0.18	<5,000	2.79	
	1/5/04	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	4/5/04	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	100	0.29	<0.10	<0.20	0.12	<5,000	1.90
	7/7/04	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	0.81	<0.10	<0.20	0.10	<5,000	1.40	
	10/8/04	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1/14/05	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	4/1/05	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-106	1/20/03	120 ¹²	<50	<50	<0.50	<0.50	<0.50	<0.50	470	1.0	<0.10	0.99	1.6	9,300	5.84
	2/10/03	92 ¹²	<50	<50	<0.50	<0.50	<0.50	<0.50	1,400	0.64	<0.20	1.0	1.2	7,900	6.36
	2/24/03	90 ¹²	<50	<50	<0.50	<0.50	<0.50	<0.50	770	0.95	<0.50	1.4	2.1	7,900	6.35
	3/10/03	73 ^{8,12}	<50	<50	<0.50	<0.50	<0.50	<0.50	1,500	1.2	<0.10	1.4	1.9	7,600	6.01
	3/24/03	83 ^{8,12}	<50	<50	<0.50	<0.50	<0.50	<0.50	1,400	1.6	<0.50	0.75	1.1	8,100	6.47
	4/7/03	110 ¹³	<50	<50	<0.50	<0.50	<0.50	<0.50	1,300	1.4	<0.10	1.2	1.2	7,900	7.20
	4/21/03	83 ¹³	<50	<50	<0.50	<0.50	<0.50	<0.50	1,300	1.5	<0.10	0.64	0.77	7,400	6.35
	5/5/03	74 ¹²	<50	<50	<0.50	<0.50	<0.50	<0.50	1,300	1.9	<0.10	0.73	0.95	7,600	6.55
	7/7/03	63	<50	<50	<0.50	<0.50	<0.50	<0.50	2,200	1.1	<0.10	1.0	1.3	8,300	5.37

Table 1-14

Historic Groundwater Analytical Results
Pierson Building Center, Eureka, California

Sample Location	Date	TPHD ¹ ($\mu\text{g/L}$) ²	TPHPT ³ ($\mu\text{g/L}$)	TPHGT ⁴ ($\mu\text{g/L}$)	B ⁵ ($\mu\text{g/L}$)	T ⁵ ($\mu\text{g/L}$)	E ⁵ ($\mu\text{g/L}$)	X ⁵ ($\mu\text{g/L}$)	Dissolved Iron ($\mu\text{g/L}$)	Nitrate (mg/L) ⁶	Nitrite (mg/L) ⁶	Ammonia Nitrogen (mg/L)	Phosphate (mg/L)	Potassium ($\mu\text{g/L}$)	Total Organic Carbon (mg/L)
MW-106 (cont'd)	10/6/03	73 ¹²	<50	<50	<0.50	<0.50	<0.50	<0.50	4,700	0.28	<0.10	2.1	2.2	8,700	6.34
	1/5/04	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/5/04	56 ¹²	390 ⁹	310 ¹¹	<0.50	<0.50	<0.50	<0.50	390	1.7	<0.10	0.34	0.73	6,600	4.90
	7/7/04	79 ¹²	140 ⁹	240 ¹¹	<0.50	<0.50	<0.50	<0.50	2,300	1.1	<0.10	0.99	1.1	6,700	3.90
	10/8/04	<50	56 ⁹	93 ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/14/05	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/1/05	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-107	1/20/03	210 ¹²	290 ⁹	400 ¹¹	<0.50	<0.50	<0.50	<0.50	2,300	0.6	<0.50	1.0	1.5	9,200	4.93
	2/10/03	250 ¹²	620 ⁹	740 ¹¹	<0.50	<0.50	<0.50	<0.50	3,200	0.45	<0.50	0.82	0.61	8,800	6.07
	2/24/03	230 ¹²	480 ⁹	550 ¹¹	<0.50	<0.50	<0.50	<0.50	2,200	0.74	<0.50	0.88	1.3	8,300	5.30
	3/10/03	180 ⁸	740 ⁹	780 ¹¹	<0.50	<0.50	0.58	<0.50	2,700	0.44	<0.50	0.99	0.83	8,400	5.28
	3/24/03	240 ^{8,12}	660 ⁹	680 ¹¹	<0.50	<0.50	0.7	<0.50	3,200	0.72	<0.50	0.86	0.66	8,600	5.33
	4/7/03	200 ⁸	430 ⁹	500 ¹⁰	<0.50	<0.50	0.62	<0.50	2,300	0.76	<0.10	0.89	1.0	8,400	5.56
	4/21/03	250 ⁸	660 ⁹	740 ¹⁰	<0.50	<0.50	0.87	<0.50	3,100	0.92	<0.30	0.92	0.69	8,300	5.48
	5/5/03	230 ⁸	560 ⁹	720 ¹⁰	<0.50	<0.50	<0.50	<0.50	2,900	1.5	<0.20	0.79	0.63	8,400	5.24
	7/7/03	65 ¹²	<50	120 ¹¹	<0.50	<0.50	<0.50	<0.50	6,600	3.8	<0.10	1.4	0.49	11,000	6.59
	10/6/03	100 ⁸	140 ⁹	270 ¹¹	<0.50	<0.50	<0.50	<0.50	5,500	0.76	<0.20	1.7	1.5	11,000	7.29
	1/5/04	<50	51 ⁹	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/5/04	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	810	0.51	<0.10	0.22	0.27	6,200	2.80
	7/7/04	110 ⁸	150 ⁹	170 ¹¹	<0.50	<0.50	<0.50	<0.50	2,600	4.3	0.12	0.58	0.96	8,700	2.90
	10/8/04	68 ⁸	140	220 ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/14/05	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/1/05	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2A	1/20/03	1,300 ⁸	13,000 ⁹	16,000 ¹⁰	<10	120	750	2,230	12,000	<0.10	<0.50	1.4	1.5	8,200	13.10
	2/10/03	1,400 ^{8,12}	9,900 ⁹	12,000 ¹¹	<10	170	830	2,320	15,000	<0.10	<1.0	1.5	1.2	8,800	4.54
	2/24/03	1,400 ^{8,12}	13,000 ⁹	15,000 ¹¹	<10	150	840	2,320	13,000	<0.10	<0.50	2.3	0.9	8,100	11.20
	3/10/03	1,200 ⁸	16,000 ⁹	17,000 ¹⁰	<10	200	1,000	2,500	15,000	<0.10	<1.0	1.5	1.4	8,300	10.20
	3/24/03	1,200 ^{8,12}	14,000 ⁹	14,000 ¹⁰	<10	230	1,200	3,580	13,000	<0.10	<0.50	1.2	1.2	7,900	11.20
	4/7/03	1,600 ⁸	16,000 ⁹	17,000 ¹⁰	<10	170	990	2,870	13,000	<0.10	<0.50	0.68	0.89	8,000	10.60
	4/21/03	1,300 ⁸	12,000 ⁹	15,000 ¹⁰	<10	1,000	2,660	14,000	<0.10	<0.50	1.3	1.1	7,300	13.30	
	5/5/03	1,300 ^{8,12}	14,000 ⁹	17,000 ¹⁰	<5.0	160	770	2,010	12,000	<0.10	<0.50	0.82	0.64	7,500	10.10

Table 1-14

Historic Groundwater Analytical Results
Pierson Building Center, Eureka, California

Sample Location	Date	TPHD ¹ (ug/L) ²	TPHPT ³ (ug/L)	TPHPT ⁴ (ug/L)	B ⁵ (ug/L)	T ⁵ (ug/L)	E ⁵ (ug/L)	X ⁵ (ug/L)	Dissolved Iron (ug/L)	Nitrate (mg/L) ⁶	Nitrite (mg/L)	Ammonia Nitrogen (mg/L)	Phosphate (mg/L)	Potassium (ug/L)	Total Organic Carbon (mg/L)	
MW-2A (cont'd)	7/7/03	1,200 ^{8,12}	17,000 ⁹	22,000 ¹⁰	<10	200	1,100	2,940	11,000	<0.10	<0.10	1.0	1.7	7,400	8.57	
	10/6/03	1,200 ⁸	13,000 ⁹	19,000 ¹⁰	<5.0	150	780	1,620	17,000	<0.10	<0.20	1.8	1.5	8,600	8.46	
	1/5/04	1,500 ^{8,12}	19,000 ⁹	22,000 ¹⁰	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	4/5/04	1,600 ^{8,12}	35,000 ⁹	36,000 ¹⁰	<15	120	1,600	4,860	2,800	<0.10	<0.10	0.20	1.0	<5,000	5.30	
MW-3	1/20/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	340	6.4	<0.20	<0.20	0.12	8,200	4.16
	2/10/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	370	6.4	<0.20	0.30	0.094	8,700	4.54
	2/24/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	210	7.2	<0.30	0.22	0.073	8,400	3.81
	3/10/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	430	6.7	<0.20	0.33	0.11	7,900	3.72
	3/24/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	220	7.5	<0.20	0.27	0.029	8,200	3.75
	4/7/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	300	6.3	<0.10	0.38	0.043	8,700	4.01
	4/21/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	170	7.5	<0.10	0.28	0.044	8,500	3.83
	5/5/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	200	6.6	<0.10	0.23	0.066	8,000	3.40
	7/7/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	220	6.9	<0.10	0.66	0.12	10,000	3.94
	10/6/03	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	250	6.2	<0.10	0.39	0.13	11,000	4.50
	1/5/04	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	4/5/04	<50	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<100	0.75	<0.10	0.29	0.078	6,900	2.70

1. Total Petroleum Hydrocarbons as Diesel (TPHD) analyzed in general accordance with EPA Method No. 3550.

2. ug /L, micrograms per Liter

3. Total Petroleum Hydrocarbons as Paint Thinner (TPHPT) analyzed in general accordance with EPA Method No. 5030.

4. Total Petroleum Hydrocarbons as Gasoline (TPHG) analyzed in general accordance with EPA Method No. 5030.

5. Benzene (B), Toluene (T), Ethylbenzene (E), Xylenes (X), Volatile Organic Compounds (VOCs), analyzed in general accordance with EPA Method No. 8260B.
6. milligrams per liter (mg/L)

7. < Denotes a value that is "less than" the method detection limit.

8. Contains some material lighter than diesel. However, some of this material extends into the diesel range of molecular weights.

9. Does not present a peak pattern consistent with that of paint thinner. The reported results represent the amount of material in the paint thinner range.

10. Appears to be similar to gasoline but certain peak ratios are not that of a fresh gasoline standard. The reported results represent the amount of material in the gasoline range.

11. Does not present a peak pattern consistent with that of gasoline. The reported results represent the amount of material in the gasoline range.

12. Contains material in the diesel range of molecular weights, but the material does not exhibit the peak pattern typical of diesel oil.

13. Contains material similar to degraded or weathered diesel oil.

Table 1-15

**Analytical Results for Volatile Organics¹ in Groundwater
Pierson Building Center, Eureka, California**

(units = ug/L)²

Sample Location	Date	MTBE ³	Chloroform	Isopropyl-benzene	Bromo-benzene	n-Propyl-benzene	1,3,5-Trimethyl-benzene	1,2,4-Trimethyl-benzene	sec-Butyl-benzene	n-Butyl-benzene	Naphthalene
MW-101	1/20/03	NA ⁴	<1.0 ⁵	12	21	<1.0	7.0	62	2.1	<1.0	2.4
	2/10/03	NA	<5.0	24	<5.0	51	32	170	6.1	<5.0	<20
	2/24/03	NA	<5.0	18	<5.0	40	24	130	5.1	<5.0	<20
	3/10/03	NA	<2.0	28	<2.0	62	64	300	7.7	4.5	46
	3/24/03	NA	<2.0	24	<2.0	56	53	250	<2.0	<2.0	45
	4/7/03	NA	<2.0	22	<2.0	50	42	190	6.1	21	30
	4/21/03	NA	<1.0	18	<1.0	36	31	120	4.7	2.1	33
	5/5/03	NA	<2.0	21	<2.0	37	27	130	3.0	4.0	24
	7/7/03	<2.0	<4.0	48	<4.0	110	110	470	15	7.1	65
	10/6/03	<0.50	<1.0	34	<1.0	75	26	57	15	8.7	35
	1/5/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/5/04	<1.0	2.9	30	<2.0	88	160	120	13	16	51
	7/7/04	<1.0	<2.0	27	<2.0	110	94	240	23	21	15
MW-102	1/20/03	NA	19	7.9	<1.0	22	1.6	1.0	6.4	3.2	<2.0
	2/10/03	NA	14	2.1	<1.0	7.2	<1.0	<1.0	2.5	<1.0	<2.0
	2/24/03	NA	12	7	<1.0	25	<1.0	<1.0	11	1.9	<2.0
	3/10/03	NA	8.1	3.6	<1.0	15	<1.0	<1.0	6.2	1.5	<2.0
	3/24/03	NA	11	4.2	<1.0	18	<1.0	<1.0	7.3	1.6	<2.0
	4/7/03	NA	13	4.3	<1.0	17	<1.0	<1.0	7.0	2.4	<2.0
	4/21/03	NA	12	3.1	<1.0	13	<1.0	<1.0	5.4	<1.0	<2.0
	5/5/03	NA	17	5.4	<1.0	19	<1.0	<1.0	7.7	2.7	<2.0
	7/7/03	<0.50	1.6	3.8	<1.0	17	<1.0	<1.0	8.9	1.9	<2.0
	10/6/03	<0.50	<1.0	5.8	<1.0	22	<1.0	<1.0	14	2.8	<2.0
	1/5/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/5/04	<0.50	<1.0	5.6	<1.0	14	1.2	1.4	8.0	2.2	<2.0
	7/7/04	<0.50	<1.0	5.3	<1.0	19	<1.0	<1.0	11	3.3	2.4
MW-103	1/20/03	NA	<1.0	32	<1.0	70	<1.0	<1.0	21	11	4.9
	2/10/03	NA	<1.0	36	<1.0	91	<1.0	<1.0	21	11	6.3
	2/24/03	NA	<1.0	38	<1.0	89	<1.0	<1.0	20	8.4	9.0
	3/10/03	NA	<1.0	23	<1.0	56	<1.0	<1.0	12	5.4	8.7

Table 1-15
Analytical Results for Volatile Organics¹ in Groundwater
Pierson Building Center, Eureka, California

(units = ug/L)²

Sample Location	Date	MTBE ³	Chloroform	Isopropyl-benzene	Bromo-benzene	n-Propyl-benzene	1,3,5-Trimethyl-benzene	1,2,4-Trimethyl-benzene	sec-Butyl-benzene	n-Butyl-benzene	Naphthalene
MW-103	3/24/03	NA	<1.0	24	<1.0	62	<1.0	<1.0	13	5.6	8.9
conf'd	4/7/03	NA	<1.0	30	<1.0	81	<1.0	<1.0	17	9.7	5.2
	4/21/03	NA	<1.0	16	<1.0	46	<1.0	<1.0	9.7	3.3	5.7
	5/5/03	NA	<1.0	29	<1.0	59	<1.0	<1.0	12	6.4	4.3
	7/7/03	<0.50	<1.0	58	<1.0	160	<1.0	<1.0	30	15	28
	10/6/03	<1.0	<2.0	140	<2.0	310	<2.0	<2.0	82	47	24
	1/5/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/5/04	<0.50	<1.0	33	<1.0	75	<1.0	<1.0	19	9.4	13
	7/7/04	<0.50	<1.0	56	<1.0	<1.0	<1.0	<1.0	30	19	16
MW-104	1/20/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	2/10/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	2/24/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	3/10/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	3/24/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	4/7/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	4/21/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	5/5/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	7/7/03	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	10/6/03	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	1/5/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/5/04	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	7/7/04	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
MW-105	1/20/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	2/10/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	2/24/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	3/10/03	NA	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	3/24/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	4/7/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	4/21/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	5/5/03	NA	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0

Table 1-15

**Analytical Results for Volatile Organics¹ in Groundwater
Pierson Building Center, Eureka, California**

(units = ug/L)²

Sample Location	Date	MTBE ³	Chloroform	Isopropyl-benzene	Bromo-benzene	n-Propyl-benzene	1,3,5-Trimethyl-benzene	1,2,4-Trimethyl-benzene	sec-Butyl-benzene	n-Butyl-benzene	Naphthalene
MW-105	7/7/03	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
conf'd	10/6/03	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	1/5/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/5/04	<0.50	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	7/7/04	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
MW-106	1/20/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	2/10/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	2/24/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	3/10/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	3/24/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	4/7/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	4/21/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	5/5/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	7/7/03	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	10/6/03	3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	1/5/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/5/04	<0.50	<1.0	19	<1.0	15	<1.0	<1.0	14	<1.0	<2.0
	7/7/04	<0.50	<1.0	2.8	<1.0	<1.0	<1.0	<1.0	8.0	<1.0	<2.0
MW-107	1/20/03	NA	<1.0	14	<1.0	7.4	<1.0	<1.0	5.6	1.7	<2.0
	2/10/03	NA	<1.0	20	<1.0	20	<1.0	<1.0	1.0	3.1	<2.0
	2/24/03	NA	<1.0	21	<1.0	26	<1.0	<1.0	1.0	3.3	<2.0
	3/10/03	NA	<1.0	23	<1.0	39	<1.0	<1.0	12	4.2	<2.0
	3/24/03	NA	<1.0	27	<1.0	45	<1.0	<1.0	14	5.2	<2.0
	4/7/03	NA	<1.0	21	<1.0	34	<1.0	<1.0	11	4.3	<2.0
	4/21/03	NA	<1.0	34	<1.0	62	<1.0	<1.0	17	5.9	<2.0
	5/5/03	NA	<1.0	29	<1.0	46	<1.0	<1.0	13	5.6	<2.0
	7/7/03	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<2.0
	10/6/03	1.4	<1.0	6.9	<1.0	1.7	<1.0	<1.0	5.9	<1.0	<2.0
	1/5/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1-15
Analytical Results for Volatile Organics¹ in Groundwater
Pierson Building Center, Eureka, California
(Units = ug/L)²

Sample Location	Date	MTBE ³	Chloroform	Isopropyl-benzene	Bromo-benzene	n-Propyl-benzene	1,3,5-Trimethyl-benzene	1,2,4-Trimethyl-benzene	sec-Butyl-benzene	n-Butyl-benzene	Naphthalene
MW-107 cont'd	4/5/04	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	7/7/04	<0.50	<1.0	13	<1.0	17	<1.0	<1.0	<1.0	6.1	<2.0
MW-2A	1/20/03	NA	<20 ³	50	<20	140	140	700	<20	<20	210
	2/10/03	NA	<20	57	<20	150	140	730	<20	<20	210
	2/24/03	NA	<20	51	<20	150	140	830	<20	<20	210
	3/10/03	NA	<20	57	<20	170	150	880	<20	27	280
	3/24/03	NA	<20	63	<20	220	190	1100	20	36	350
	4/7/03	NA	<20	60	<20	170	140	830	<20	76	230
	4/21/03	NA	<20	46	<20	140	120	710	<20	<20	250
	5/5/03	NA	<10	63	<10	180	120	710	15	27	210
	7/7/03	<10	<20	88	<20	200	160	930	27	<20	340
	10/6/03	<5.0	<10	86	<10	250	110	690	27	31	310
	1/5/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/5/04	<15	<30	140	<30	390	550	2,100	40	<30	580
MW-3	1/20/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<2.0
	2/10/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	2/24/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	3/10/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	3/24/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	4/7/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	4/21/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	5/5/03	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	7/7/03	2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	10/6/03	6.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	1/5/04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/5/04	0.86	<1.0	4.5	<1.0	<1.0	14	1.6	<1.0	<1.0	<2.0

1. Volatile Organics by GC/MS EPA Method SW8260B

2. ug/L: micrograms per Liter

3. MTBE: Methyl Tertiary-Butyl Ether

4. NA: Not Analyzed

5. < Denotes a value that is "less than" the method detection limit.

Table 1-16
Microbiological Plate Counts
Pierson Building Center, Eureka, California

Sample Location	Sample Date	Heterotrophic (1.00x10 ⁵)	Selective (1.00x10 ⁵)	% Degraders
MW-101	1/20/03	4.1	0.6	14.63
	2/10/03	5.7	1.9	33.33
	2/24/03	5.4	2.3	42.59
	3/10/03	4.9	1.5	30.61
	3/24/03	5.1	1.8	35.29
	4/7/03	5.7	1.6	28.07
	4/21/03	6.5	2.1	32.31
	5/5/03	6.4	2.5	39.06
	7/7/03	7.2	2.1	29.17
	10/6/03	5.9	1.1	18.64
	1/5/04	5.2	0.8	15.38
	4/5/04	4.8	0.4	8.33
	7/7/04	5.2	0.6	11.54
MW-102	1/20/03	4.8	0.9	18.78
	2/10/03	8.2	1.4	22.58
	2/24/03	6.5	1.2	18.46
	3/10/03	5.4	0.9	16.67
	3/24/03	5.7	1.4	24.56
	4/7/03	6.4	1.2	18.75
	4/21/03	6.2	1.6	25.81
	5/5/03	6.7	2.2	32.84
	7/7/03	5.6	1.8	32.14
	10/6/03	5.3	1.4	26.42
	1/5/04	5.5	0.9	16.36
	4/5/04	5.1	0.4	7.84
	7/7/04	7.2	1.1	15.28
	10/8/04	8.4	1.7	20.24
MW-103	1/20/03	5.2	0.5	9.62
	2/10/03	7.1	1.5	21.13
	2/24/03	6.5	2.1	32.31
	3/10/03	5.0	2.3	46.00
	3/24/03	5.3	1.8	33.96
	4/7/03	5.7	1.9	33.33
	4/21/03	6.4	2.2	34.38
	5/5/03	6.1	1.7	27.87
	7/7/03	5.8	0.9	15.52
	10/6/03	5.1	0.6	11.76
	1/5/04	4.7	0.4	8.51
	4/5/04	4.1	0.3	7.32

Table 1-16
Microbiological Plate Counts
Pierson Building Center, Eureka, California

Sample Location	Sample Date	Heterotrophic (1.00x10 ⁵)	Selective (1.00x10 ⁵)	% Degraders
MW-103 (cont'd)	7/7/04	6.6	2.1	31.82
	10/8/04	6.2	2.9	46.77
	1/14/05	7.2	3.5	48.61
MW-104	1/20/03	4.9	0.7	14.29
	2/10/03	5.1	1.1	21.57
	2/24/03	4.7	1.4	29.79
	3/10/03	5.5	1.1	20.00
	3/24/03	6.1	0.8	13.11
	4/7/03	5.8	0.7	12.07
	4/21/03	6.8	1.0	14.71
	5/5/03	6.5	1.3	20.00
	7/7/03	5.4	0.9	16.87
	10/6/03	4.9	0.5	10.20
	1/5/04	5.1	ND ¹	0
	4/5/04	5.3	ND	0
	7/7/04	6.0	1.1	18.33
MW-105	1/20/03	5.6	1.2	21.43
	2/10/03	5.3	1.5	28.30
	2/24/03	5.0	1.1	22.00
	3/10/03	6.1	0.8	13.11
	3/24/03	6.1	0.6	9.84
	4/7/03	6.4	0.8	12.50
	4/21/03	6.6	1.2	18.18
	5/5/03	6.3	1.5	23.81
	7/7/03	5.1	0.8	15.69
	10/6/03	5.3	0.5	9.43
	1/5/04	5.1	0.7	13.73
	4/5/04	4.9	0.5	10.20
	7/7/04	8.1	3.4	41.98
MW-106	1/20/03	5.1	0.2	3.92
	2/10/03	8.1	3.2	39.51
	2/24/03	7.5	2.4	32.00
	3/10/03	6.3	2.2	34.92
	3/24/03	5.9	1.9	32.20
	4/7/03	5.6	1.7	30.36
	4/21/03	6.2	2.1	33.87
	5/5/03	6.3	1.7	26.98
	7/7/03	5.6	1.1	19.64
	10/6/03	5.7	0.9	15.79
	1/5/04	5.3	ND	0

Table 1-16
Microbiological Plate Counts
Pierson Building Center, Eureka, California

Sample Location	Sample Date	Heterotrophic (1.00x10 ⁵)	Selective (1.00x10 ⁵)	% Degraders
MW-106 (cont'd)	4/5/04	5.1	ND	0
	7/7/04	5.4	0.4	7.41
MW-107	1/20/03	6.3	0.3	4.76
	2/10/03	5.8	0.6	10.34
	2/24/03	6.3	0.8	12.70
	3/10/03	5.8	1.1	18.97
	3/24/03	5.4	1.5	27.78
	4/7/03	5.5	1.8	32.73
	4/21/03	5.7	1.4	24.56
	5/5/03	5.9	1.6	27.12
	7/7/03	5.1	1.4	27.45
	10/6/03	5.3	0.6	11.32
	1/5/04	5.7	0.1	1.75
	4/5/04	5.2	ND	0
MW-2A	1/20/03	5.3	0.9	16.98
	2/10/03	7.2	2.7	37.50
	2/24/03	7.9	2.1	26.58
	3/10/03	6.2	2.8	45.16
	3/24/03	6.5	3.1	47.69
	4/7/03	6.0	2.7	45.00
	4/21/03	6.7	3.4	50.75
	5/5/03	7.1	3.2	45.07
	7/7/03	6.6	2.9	43.94
	10/6/03	6.0	1.9	31.67
	1/5/04	5.4	1.2	22.22
	4/5/04	6.1	1.4	22.95
MW-3	1/20/03	5.4	0.3	5.56
	2/10/03	5.8	0.9	15.52
	2/24/03	4.9	1.5	30.61
	3/10/03	5.6	1.2	20.69
	3/24/03	6.1	0.8	13.11
	4/7/03	6.6	0.5	7.58
	4/21/03	6.9	0.6	8.70
	5/5/03	6.7	1.1	16.42
	7/7/03	6.2	1.2	19.35
	10/6/03	5.6	0.8	14.29
	1/5/04	5.8	0.5	8.62
	4/5/04	5.4	0.7	12.96
1. ND: Not Detected				

Table 1-17
Historic Natural Attenuation Parameters
Pierson Building Center, Eureka, California

Sample Location	Date Measured	DCO ₂ ¹ (ppm) ²	DO ¹ (ppm)	ORP ¹ (mV) ³	pH ¹
MW-101	1/20/03	50	1.60	212	6.40
	2/10/03	40	0.98	229	6.17
	2/24/03	70	1.70	275	6.25
	3/10/03	35	1.45	281	6.35
	3/24/03	55	1.33	245	6.24
	4/7/03	80	1.21	242	6.22
	4/21/03	45	2.17	151	6.17
	5/5/03	100	0.94	257	6.17
	7/7/03	70	0.62	246	6.28
	10/6/03	25	1.89	249	6.59
	1/5/04	30	2.58	263	6.19
	4/5/04	20	0.75	272	6.08
	7/7/04	45	0.52	9	5.81
	10/8/04	35	0.74	-37	6.62
	1/14/05	25	0.91	72	6.31
	4/1/05	30	1.24	82	6.46
MW-102	1/20/03	65	1.04	245	5.85
	2/10/03	70	0.59	243	5.97
	2/24/03	65	0.49	240	6.11
	3/10/03	70	0.79	252	6.14
	3/24/03	60	0.90	268	5.97
	4/7/03	80	0.88	252	5.90
	4/21/03	60	0.69	190	5.86
	5/5/03	65	0.77	256	5.87
	7/7/03	70	0.60	247	6.17
	10/6/03	45	0.46	249	6.20
	1/5/04	NM ⁴	3.21	281	5.78
	4/5/04	50	1.20	289	5.84
	7/7/04	50	0.52	0	6.61
	10/8/04	50	0.72	-14	6.41
	1/14/05	40	1.08	91	6.05
	4/1/05	60	0.66	126	6.07
MW-103	1/20/03	40	1.88	230	5.93
	2/10/03	40	0.70	234	5.85
	2/24/03	55	0.87	239	6.11
	3/10/03	50	1.06	266	6.11
	3/24/03	45	1.66	258	6.06
	4/7/03	50	1.97	258	5.93
	4/21/03	40	1.39	82	5.72
	5/5/03	50	2.22	256	5.86
	7/7/03	80	0.47	243	5.97
	10/6/03	170	0.57	251	6.06
	1/5/04	40	2.50	275	5.72
	4/5/04	95	1.26	289	6.03
	7/7/04	NM	0.85	9	6.28

Table 1-17
Historic Natural Attenuation Parameters
Pierson Building Center, Eureka, California

Sample Location	Date Measured	DCO ₂ ¹ (ppm) ²	DO ¹ (ppm)	ORP ¹ (mV) ³	pH ¹
MW-103 (cont'd)	10/8/04	65	0.70	-5	6.29
	1/14/05	50	0.98	103	6.13
	4/1/05	35	1.42	144	6.13
MW-104	1/20/03	90	1.99	188	6.14
	2/10/03	25	3.49	231	5.87
	2/24/03	50	2.21	199	6.22
	3/10/03	40	2.37	252	6.27
	3/24/03	40	2.23	249	6.21
	4/7/03	60	3.24	238	6.08
	4/21/03	30	1.70	246	6.03
	5/5/03	55	1.25	247	6.07
	7/7/03	40	1.60	229	6.23
	10/6/03	40	1.56	248	5.79
	1/5/04	30	3.00	275	5.76
	4/5/04	20	0.89	271	5.91
	7/7/04	40	1.99	101	6.34
	10/8/04	60	1.56	78	6.10
	1/14/05	45	1.73	74	6.11
	4/1/05	40	1.50	134	6.17
MW-105	1/20/03	20	4.96	230	6.50
	2/10/03	15	2.87	239	6.54
	2/24/03	25	4.30	258	6.33
	3/10/03	40	2.03	252	6.29
	3/24/03	25	3.25	253	6.26
	4/7/03	35	4.27	241	6.22
	4/21/03	20	2.94	193	6.14
	5/5/03	45	4.04	244	6.19
	7/7/03	70	1.77	241	5.89
	10/6/03	45	2.44	252	6.06
	1/5/04	25	3.38	268	6.18
	4/5/04	20	1.48	281	6.09
	7/7/04	45	1.43	100	5.14
	10/8/04	30	1.28	72	6.44
	1/14/05	15	5.02	65	6.34
	4/1/05	20	2.87	122	6.30
MW-106	1/20/03	70	0.87	218	6.53
	2/10/03	70	1.96	232	6.48
	2/24/03	90	1.16	181	6.48
	3/10/03	85	1.03	227	6.54
	3/24/03	65	0.81	234	6.36
	4/7/03	100	1.00	239	6.31
	4/21/03	50	0.80	221	6.33
	5/5/03	95	1.44	199	6.36
	7/7/03	100	0.55	210	6.26
	10/6/03	90	0.58	268	6.46
	1/5/04	125	2.63	266	6.00
	4/5/04	50	3.08	274	6.02

Table 1-17
Historic Natural Attenuation Parameters
Pierson Building Center, Eureka, California

Sample Location	Date Measured	DCO ₂ ¹ (ppm) ²	DO ¹ (ppm)	ORP ¹ (mV) ³	pH ¹
MW-106 (cont'd)	7/7/04	100	0.66	126	5.41
	10/8/04	80	1.09	101	6.49
	1/14/05	40	1.65	114	6.49
	4/1/05	55	0.73	116	6.48
MW-107	1/20/03	70	0.95	256	6.41
	2/10/03	85	1.08	237	6.38
	2/24/03	100	0.49	251	6.46
	3/10/03	90	0.52	248	6.40
	3/24/03	80	0.41	244	6.32
	4/7/03	120	0.37	242	6.28
	4/21/03	65	0.33	245	6.34
	5/5/03	160	0.37	239	6.26
	7/7/03	130	0.49	224	6.05
	10/6/03	115	0.58	251	6.28
	1/5/04	70	0.69	270	6.03
	4/5/04	30	0.56	283	5.90
	7/7/04	135	0.56	100	5.27
	10/8/04	100	0.91	81	6.43
	1/14/05	40	0.99	111	6.21
	4/1/05	60	0.78	96	6.24
MW-2A	1/20/03	75	0.28	238	6.42
	2/10/03	90	0.32	235	6.32
	2/24/03	130	0.37	288	6.24
	3/10/03	100	0.40	244	6.31
	3/24/03	80	0.33	246	6.29
	4/7/03	75	0.32	257	6.14
	4/21/03	75	0.23	222	6.20
	5/5/03	140	0.28	235	6.22
	7/7/03	95	0.33	249	6.24
	10/6/03	95	0.39	249	6.35
	1/5/04	75	0.69	275	6.19
	4/5/04	40	0.56	274	6.07
MW-3	1/20/03	60	2.62	238	6.64
	2/10/03	35	3.38	233	6.57
	2/24/03	45	3.81	239	6.67
	3/10/03	50	2.89	235	6.68
	3/24/03	35	3.40	239	6.60
	4/7/03	80	2.84	250	6.47
	4/21/03	40	3.41	215	6.53
	5/5/03	45	3.34	244	6.41
	7/7/03	60	1.79	244	8.87
	10/6/03	40	0.65	242	6.48
	1/5/04	40	4.02	273	6.30
	4/5/04	30	2.80	270	6.45

1. DCO₂ (Dissolved Carbon Dioxide), DO (Dissolved Oxygen), ORP (Oxidation-Reduction Potential), and pH measured with portable equipment.

2. ppm: parts per million

3. mV: millivolts

4. NM: Not Measured

Attachment 2

UST Closure Application and Tank Locations

CLOSE IN PLACE WITH SLURRY CONCRETE.



HUMBOLDT-DEL NORTE COUNTY
DEPARTMENT OF PUBLIC HEALTH



727 CEDAR STREET
GARBERVILLE, CA. 95440
923-2779

MAIN OFFICE
529 I STREET
EUREKA, CA. 95501
445-6215

909 HWY. 101, NORTH
CRESCENT CITY, CA. 95531
464-7227

Pd FEE 100.00
DATE PAID 4-29-87
PERMIT # (A.P.) _____

APPLICATION FOR PERMIT TO CLOSE UNDERGROUND
HAZARDOUS MATERIALS STORAGE TANK(S)

LOCATION: 4100 BROADWAY EUREKA CA 95501

FACILITY NAME: PIERSON BUILDING CREWTEK

OWNER/OPERATOR: PIERSON INVESTMENT CO. TELEPHONE: 443-3045

MAILING ADDRESS: 4100 BROADWAY EUREKA CA 95501

CONTRACTOR: Bentcon Const Co. LICENSE#: 168923 TELEPHONE: 725-3323

TANK # 1 DATE INSTALLED UNK VOLUME 550 CONSTRUCTION MATERIAL STORED GAS

TANK # 2 DATE INSTALLED UNK VOLUME 550 CONSTRUCTION MATERIAL STORED PAINT THINN

TANK # DATE INSTALLED VOLUME CONSTRUCTION MATERIAL STORED

IF NOT CURRENTLY IN USE, INDICATE LAST DATE USED FOR STORAGE: April 1987

PIPING CONSTRUCTION: STEEL

REMAINING PRODUCT TO BE REMOVED BY: OWNER

DESCRIBE SOIL/WATER SAMPLING PLAN FROM EXCAVATION (INDICATE LOCATION ON PLOT PLAN)

METHOD OF DETERMINING IF PIPING RUNS ARE CONTAMINATED: SAMPLING PLAN PRESSURE TESTING
ATTACHED BEFORE REMOVAL

SNIFF TEST BY A.M. Board TELEPHONE: 822-4649

SAMPLES WILL BE COLLECTED BY: NORTHCOAST LABS TELEPHONE: 822-4649

17 NECESSARY SAMPLES WILL BE ANALYZED BY: NORTHCOAST LABS TELEPHONE: 822-4649

WHO WILL HAUL TANKS?: N/A CLOSE IN PLACE DOHS HAULER #: N/A

FINAL TANK(S) DESTINATION: N/A TELEPHONE:

ATTACH A PLOT PLAN DRAWN TO SCALE OF THE PARCEL, TANK(S), PIPING AND STRUCTURES NEAR THE TANK(S)

PREVIOUSLY SUBMITTED TO HEALTH DEPARTMENT BY OWNER

I HAVE RECEIVED A COPY OF THE UNDERGROUND STORAGE TANK CLOSURE POLICY AND WILL PERFORM THE WORK AS APPROVED IN THIS APPLICATION.

OWNER: _____ DATE: _____

AGENT: David W. Morris DATE: 11/24/87

FOR OFFICE USE ONLY:

PERMIT APPROVED BY: James McClay, R.D. DATE: 12-28-88 EXPIRES: 3-2-89

WORK COMPLETED AS APPROVED: James McClay, R.D. DATE: 8-17-91

DISPENSERS AND PUMPS WILL BE REMOVED BY THE

ustl-87

